

# Climate Change and India: Uncertainty Reduction in Greenhouse Gas Emissions

## DRAFT CONTENTS

Preface  
Acknowledgement  
Authors  
Acronym  
Color Plates

1. Inventory Estimations and Emerging Issues  
*P. R. Shukla, Subodh Sharma, Sumana Bhattacharya and Amit Garg*
2. Uncertainty Reduction in GHG Inventory Estimates in India - An Overview  
*A. P. Mitra*
3. Methane Emission from Coal Mining and Handling Activities in India  
*A. K. Singh*
4. Determination of Carbon Dioxide Emissions Factors from Coal Combustion  
*Ashim Choudhary, J. Roy, S. Biswas, C. C. Chakraborty, and Kalyan Sen*
5. GHG Emission Measurements from Coal Combustion in Selected Industries  
*Subhashis . Biswas, Niladri Chakraborty, Pinaki sarkar, Joshi George and Ashim Choudhury*
6. Uncertainties In Emission Estimates From The Road Transport Sector  
*Anil Singh, Mukesh Saxena, S.K. Singhal and P.K. Sikdar*
7. Ghgs Emissions Measurements in Industrial Processes  
*P.V. Rao, M. S. Qureshi, S. Devotta*
8. Uncertainties in HFC, PFC and SF<sub>6</sub> emissions from Industrial Processes  
*Sukumar Devotta and Saroja Asthana*
9. Reducing Uncertainties In Methane Emission From Rice Cultivation  
*Prabhat K. Gupta, S.N. Das, T. K. Adhya, H. Pathak, R. Ramesh, N. Purkait, K. K. Baruah, L. Venkataraman, Gulab Singh, C. S. P. Iyer, Vandana Gupta, C. Sharma, Pratul Sharma, Vaishali Pradhan, Nahar Singh, S. Koul, Khem Singh, P. Johri, S. C. Garg and A. P. Mitra*
10. Reduction In Uncertainties From Live Stock Emissions  
*Mahadeswara Swamy, K.K. Singhal, Prabhat Gupta, Madhu Mohini, Arvind K. Jha, Nahar Singh*

11. Nitrous Oxide emission from Soil-plant systems  
*H. Pathak, Prabhat K. Gupta, A. Bhatia, C. Sharma, N. Kalra and A. P. Mitra*
12. GHG emission from Biomass burning: Field burning of Agricultural crop residue  
*Prabhat Gupta, Shivraj Sahai, Nahar Singh, C. K. Dixit, D. P. Singh, Khem Singh, S. Koul, C. Sharma, S. C. Garg and A. P. Mitra*
13. Uncertainty reduction in Greenhouse Gas Inventory Estimates for the land use, land Use Change and Forestry Sector  
*P. Sudha, I. K. Murthy, T. S. Sukanya and N. H. Ravindranath*
14. GHG Emissions from Waste Management in India  
*S.A.Gaikwad, Sunil Kumar, Sukumar Devotta and R. N. Singh*
15. Future perspectives in refinement and Uncertainty reduction in GHG Inventory Estimates  
*Subodh Sharma, Sumana Bhattacharya, Amit Garg and A. P. Mitra*